Your is the environment Your is the knowledge

Mod. S-03

Sensor to measure Ozone (O_3)

NESA Srl
Via Crociera 11 - 31020 - Vidor (TV) - Italy - Tel+39.0423.985209 - Fax+39.0423.985305
info@nesasrl.it - www.nesasrl.it

Highlighted specs

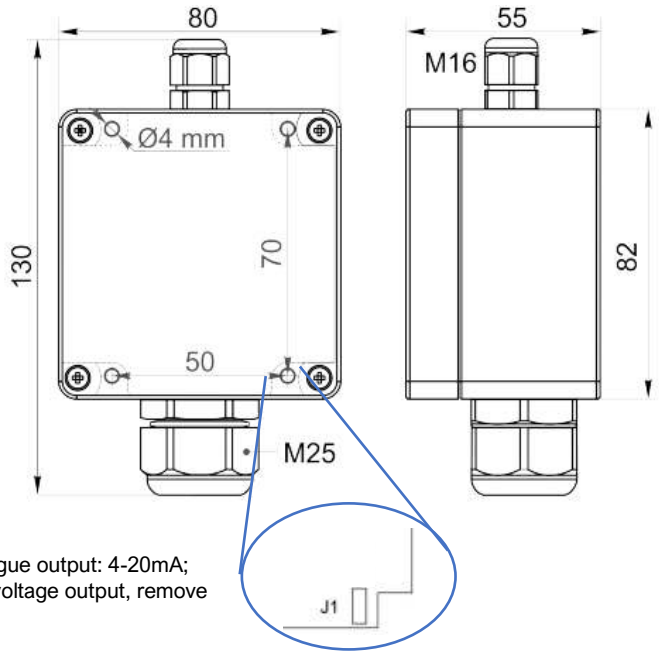
- Linear and reliable Sensor
- Electrochemical measuring system or NDIR Measure (Non Dispersive Infrared Technology)
- Housing for indoor/outdoor ABS IP65
- Wide temperature operative range
- According to CE norms

Sensors for the measuring of Ozone **concentration**, for a wide range of applications, both industrial and environmental. **They are not gas analyzers**, they use an electrochemical measuring principle or infrared (depending on the gas), with which it is possible to convert the measurement of gas's concentration in measurable electrical signal. Specifically designed for **outdoor applications with IP65 enclosure.**
The measurable gases: **O3** (Ozone).

Gas	**NO**
Range	0÷5 ppm
Resolution	0.01 ppm
Response Time (s)	<60
Operating life (months)	>24
Ovel limit	50 ppm
Operative Range (°C)	-40 ÷ 50°C
Humidity	15...90 %RH no condensating
Suggested recalibration	6-12 months
Signal output	4÷20mA / 0÷10Vdc & ModBus RS485
Power Supply	11…30 Vdc, consumption < 2VA
Enclosure	IP65 (ABS enclosure) - IP54(Metal enclosure)
Weight	200g

Size and connections

Pin	Wire	S-NO-A	S-NO-B*
1	Yellow	--	--
2	White	Out 0-10V	Out 4-20mA
3	Green	Gnd signal	Gnd signal
4	Grey/Orange	Gnd	Gnd
5	Red	+ 12/24Vdc	+ 12/24Vdc
6	Blue	RS485 A	RS485 A
7	Brown	RS485 B	RS485 B



* Default analogue output: 4-20mA; to select the voltage output, remove jumper J1

Order Code

Sensor	NO (Nitric Oxide) Sensor	**S-O3**		
Output	4÷20mA + ModBus RTU485		A	
	0÷10Vdc + ModBus RTU485		B	
Accessories	CS05 – Cable 5m sensor-datalogger			05
	CS10 – Cable 10m sensor-datalogger			10
	CSxx – Cable xx* m length, sensor-datalogger – to be specified at order			xx
**specify the length for no standard measures*		*example of order code*	**S-O3**	**B**	**10**

NESA Srl
Via Crociera 11 - 31020 - Vidor (TV) - Italy - Tel+39.0423.985209 - Fax+39.0423.985305
info@nesasrl.it - www.nesasrl.it